**3th Partial Exam**

**Problem:**

Provide a web application with the basic modules and operations that are needed to run and simulate a real Ecommerce site.

**Priorities:**

* CRUD for Products, Brand and Users (Staff and Clients)
* Authentication system
* Implementation of the Dashboard of the web page
* Shopping Cart system
* Shopping History
* Buy simulation

**Restrictions**

* The time to develop and deploy the web application is of 2 weeks so the final product will be completely functional but will need more time to be improved to have all the necessary functionalities and improve the security.

**Design:**

* System requirements:
* Product CRUD
* Brand CRUD
* User CRUD
* Database
* Front-End web page
* Back-End

1. Authentication System
2. Shopping Cart
3. Shopping History

* Render deployment
* Development:
* Web development will be used since the service is designed to be accessible from the web browsers.

**Data Base Metadata:**

Product:

* Id
* Name
* Stock
* Brand
* Price

Model:

* Id
* Name

User:

* Id
* Email
* Username
* Password
* Is\_staff

Shopping Cart:

* Id
* User
* Products
  + Name
  + Brand
  + Price

Shopping History:

* Id
* User
* History
  + Name
  + Brand
  + Price
  + Date

**Git Repository:**

* https://github.com/EmilioRiveraMacias/ecommerce